



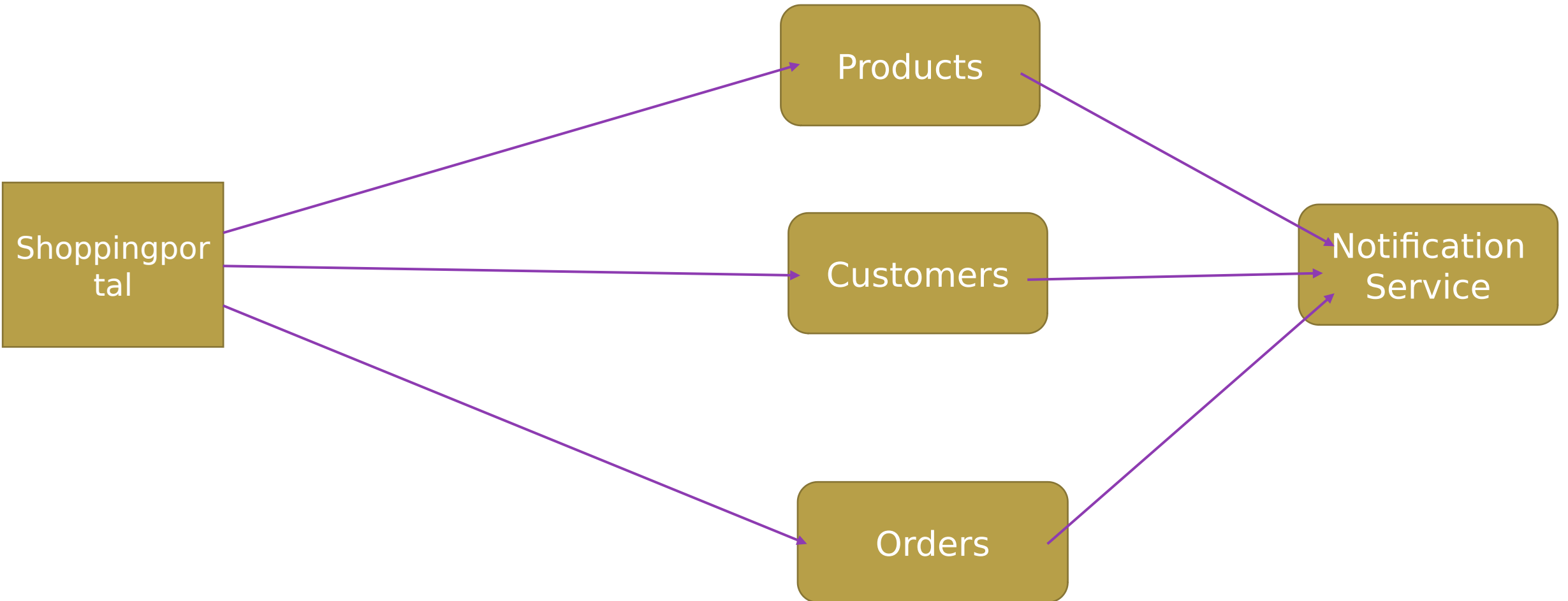
LOG TRACING in microservices architecture

SPRING CLOUD SLEUTH AND ZIPKIN

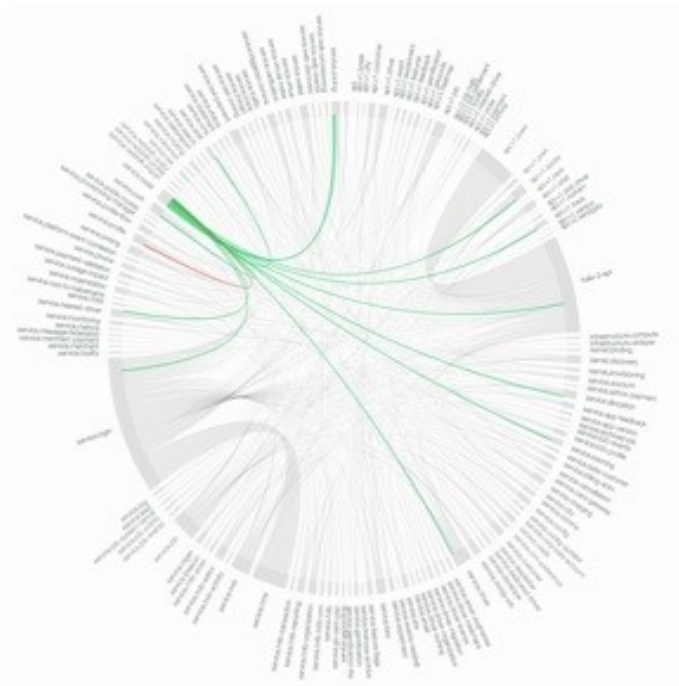
Real life problem

- ☐ Issue on web
- ☐ Support people
- ☐ Maintenance team
- ☐ QA
- ☐ Developer
- ☐ Application log for analysis

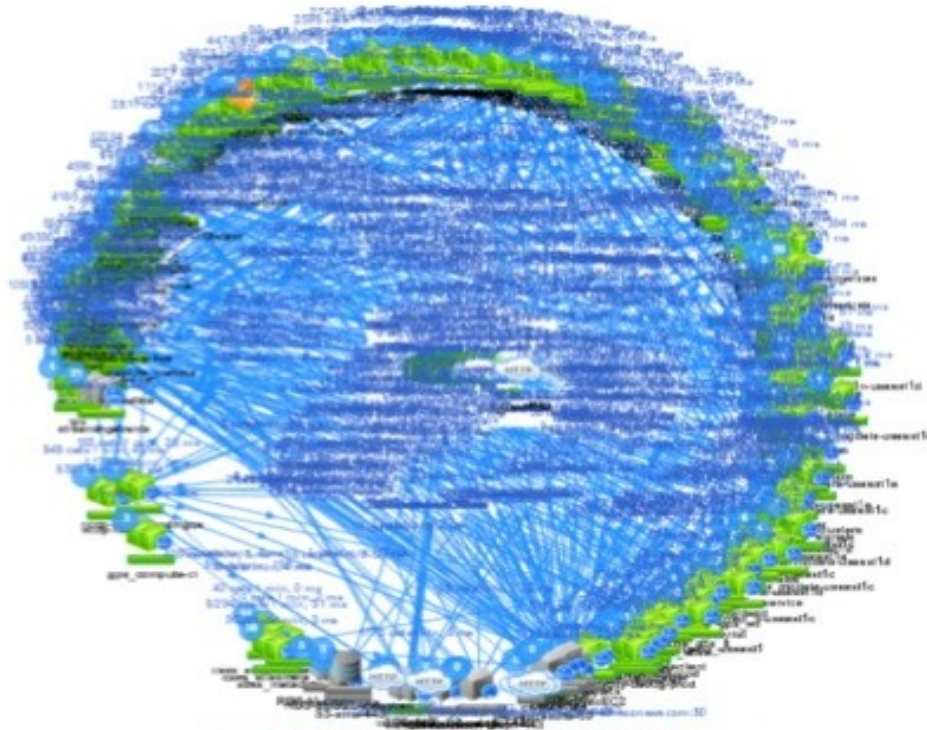
Microservices architecture & Request tracing



450 microservices

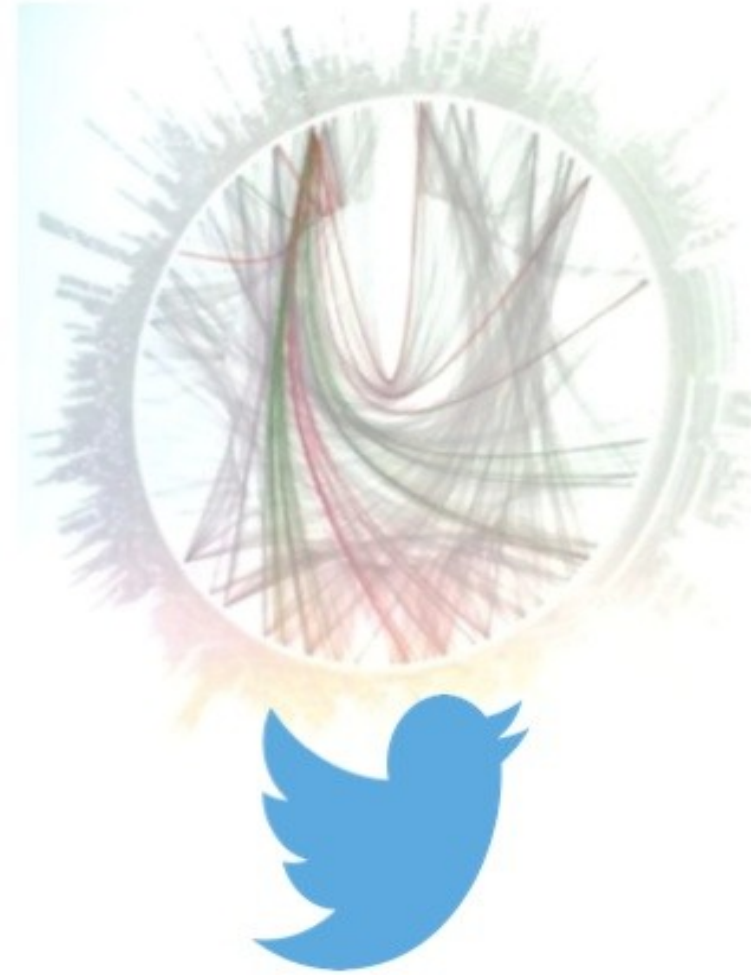


500+ microservices



NETFLIX

500+ microservices



Source:

Netflix: <http://www.slideshare.net/BruceWong3/the-case-for-chaos>

Twitter: <https://twitter.com/adrianco/status/441883572618948608>

Hail-o: <https://sudo.hailoapp.com/services/2015/03/09/journey-into-a-microservice-world-part-3/>



**DISTRIBUTED LOG TRACING
SYSTEM**

Spring cloud sleuth introduction

What is it??

- ❑ Spring Cloud Sleuth implements a distributed tracing solution for Spring Cloud

Terminology

❑ **Span:**

- ❑ The basic unit of work.
- ❑ unique 64-bit ID
- ❑ Also have metadata

❑ **Trace:**

- ❑ A set of spans forming a tree-like structure.

Diagram

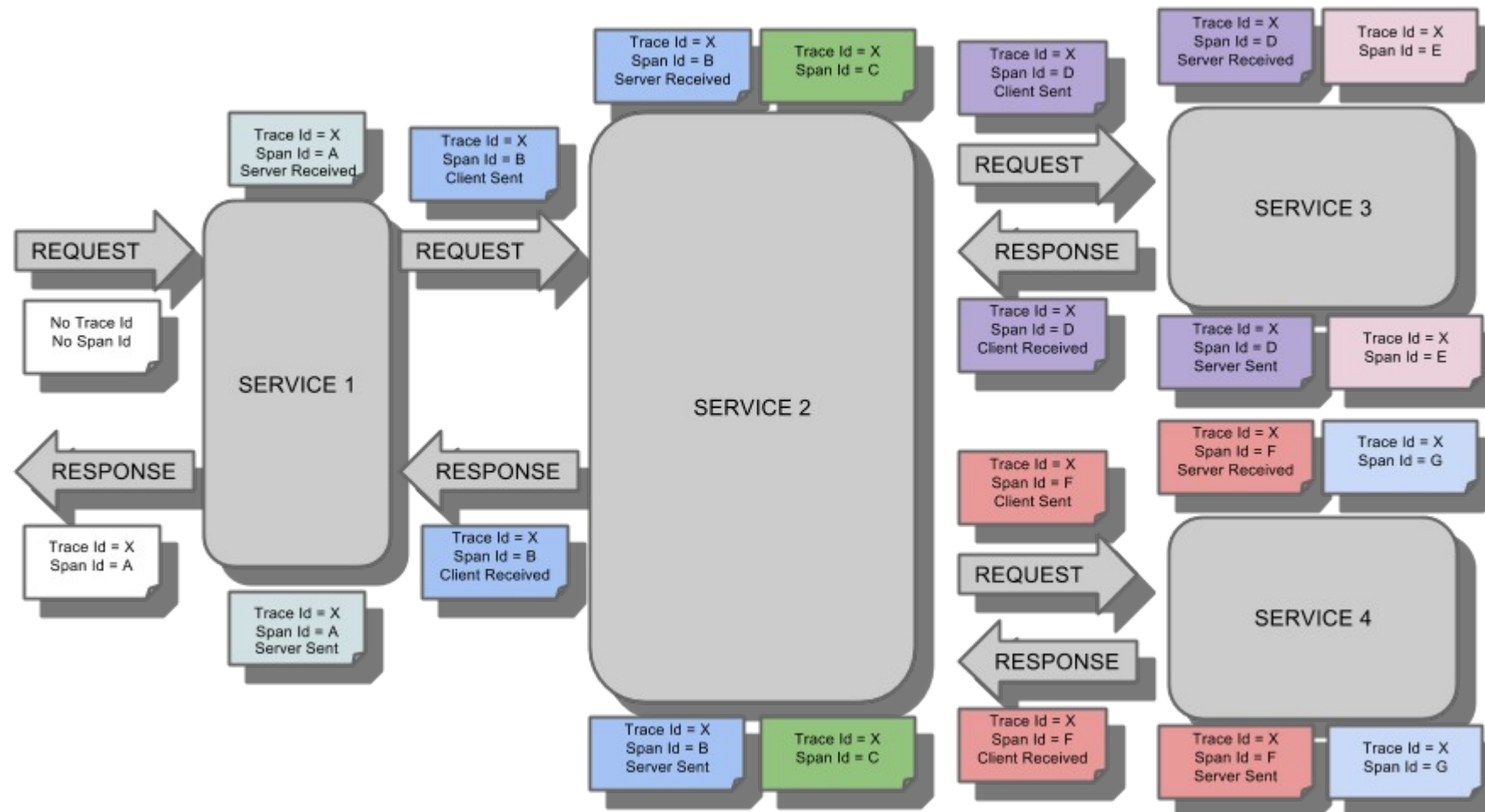
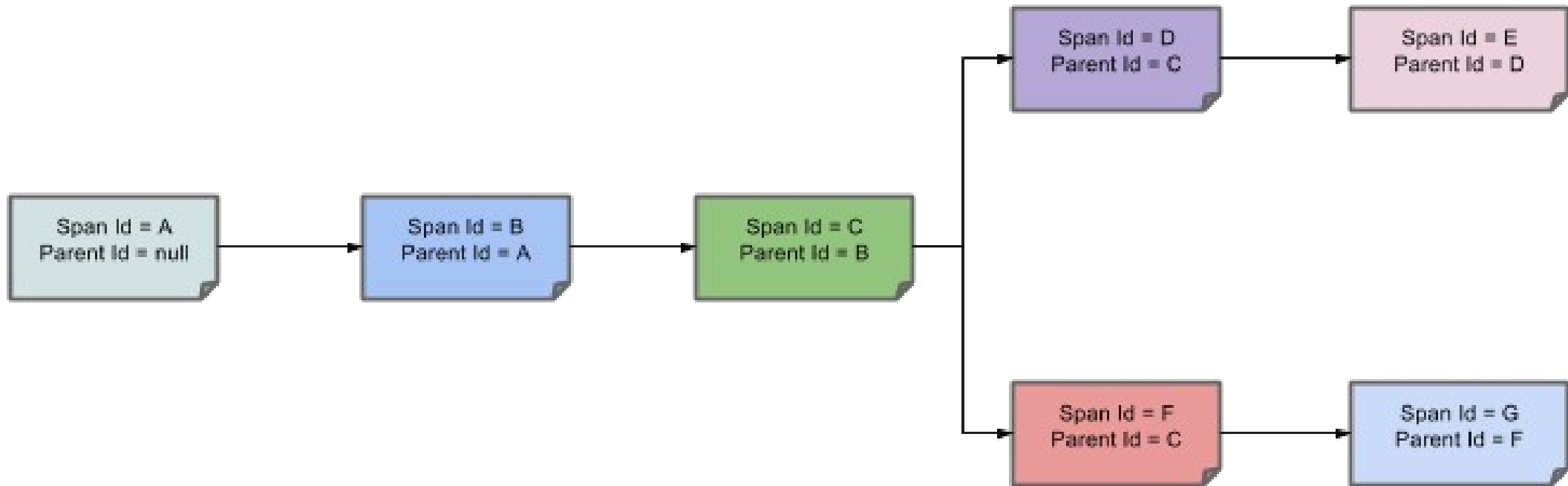


Diagram..



Microservices architecture & Request tracing

